

ABSTRACT

A sulfate process for producing titania from a  
titaniferous material is disclosed. The process includes  
5 leaching the titaniferous material and producing a leach  
liquor, precipitating iron sulfate from the leach liquor,  
solvent extraction of titanyl sulfate from leach liquor,  
hydrolysis of the extracted titanyl sulfate, and  
thereafter calcining the solid phase produced in the  
10 hydrolysis step. The process is characterised by using at  
least part of the raffinate from the solvent extraction  
step as at least part of the leach solution in the initial  
leach step.